



Steel Belt Systems

Extrusion & Powder Coating Division

Chill Roll / Powder Coating Cooling Systems

Chill Roll scheme

CHILL ROLL Model	Capacity (kg/h)	Model (extruder)
CR 300 X 350	30÷60	EBVP21-EBVP21SL
C24/16 - 100/60	200÷300	EBVP33
C24/16 - 100/80	350÷450	EBVP37
C24/16 - 100/120	550÷750	EBVP45
C24/16 - 100/150	800÷1.000	EBVP55

Performance - Nominal

- Product feeding temperature: 140°C
- Product discharge temperature: 30°C
- Nominal Capacity: as per above table

General characteristics

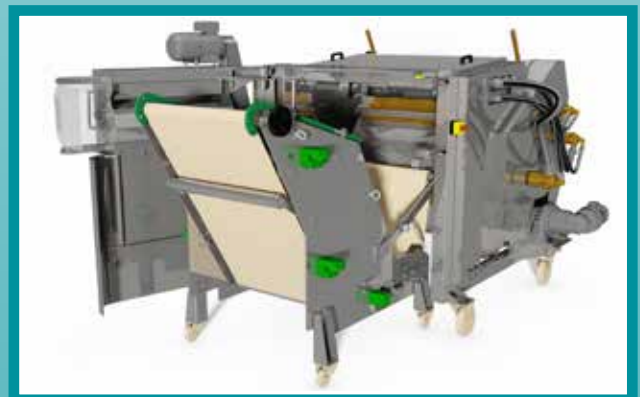
- Water consumption m³/hr (3 bar pressure): 30/24/16/5/3 (from the biggest Chill Roll to the smallest)
- Compressed air supply bar: 6
- Overall dimensions / weight: see specification

Composition of the supply

- First calendering roll cooled mm: 240 (up to 400 mm for the biggest Chill roll)
- Second calendering roll cooled mm: 160
- Diameter drum (double type with peripheral water circulation) mm: 1000/1000/1000/1000/350
- Belt width in PTFE mm: 1500/1200/800/600/300
- Belt speed m/min: 2-8
- Extractable cartridge
- Drum motor power kW: 5,5/3,6/3/2,2/1,2
- Transmission: Planetary motor gear + chain
- Nr. 1 Scraping blade
- Machinery structure in stainless steel with aluminum shoulders
- Breaker motor power by: 2,5/1,2/0,55 kW
Minibreak type dia. 137mm with n. 1 removable break comb and various accessories: for the production of smaller and more calibrated flakes with better consequent performance of the mills and output capacity
Hinged mounted for easy cleaning/ maintenance.
- Pellets thickness approx. 1,2 - 1,8 mm



Laboratory Chill Roll 300 x 350



CR 24/16 - 100/80: Extractable cartridge for a faster and more efficient cleaning



CR 24/16 - 100/80



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D.M.E. Cooling Conveyor (double mixed effect cooling conveyor) - Patented

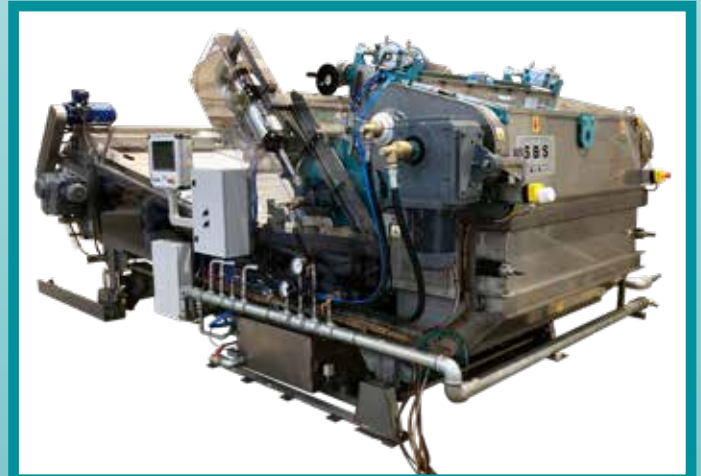
Performance - Nominal

- > Product feeding temperature: 140° C
- > Product discharge temperature: 30° C
- > Nominal Capacity: as per below table

DEM Model	DEM 1000	DEM 1500
Belt width (mm)	1000	1500
CC (mm)	4800	4800
Capacity (kg/h)	1000÷1500	1500÷2200
Calender Roll (mm)	240	400
Intermediate drum (mm)	800	800
Water consumption (m3/h)	22	25
Model /extruder	EBVP55	EBVP65

Special **MINIBREAK type** rotating BREAKER for both models

- > Drum motor power kW: 1,5
- > Breaker motor power kW: 2,2



Front view of DEM



Discharge of DEM



Side view of DEM

CONTACTS

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